SECRET

[redacted] 25X1

IDEA-0784-68
Copy 7 of 7

17 October 1968

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report, Lockheed (Burbank), 9-10 October 1968

1. A meeting was convened at Lockheed, Burbank, on 9 October 1968 at 0900 to review camera, [redacted] 25X1 interface areas. In attendance were:

[redacted] 25X1

25X1

25X1

2. By way of introduction, NPIC restated their requirement for vehicle attitude and navigation data with a method of correlating this data with the photography, [redacted]

[redacted]

3. The requirement for the ancillary unit to drive light matrices in cameras other than the optical bar was deleted, in view of need for modifying existing cameras to accept the input and the increase in weight and cube that would result for the ancillary unit. Present capability to drive a 28 line time word at logic drive level, will be retained.

4. Ancillary unit is prototype form and ground reformat hardware is scheduled for January 1969 to coincide with delivery and flight test of IRIS II configuration. Unit is to be installed in the unheated unpressurized left cheek of the vehicle. No environmental problems are anticipated.

[redacted] 25X1

SECRET

5. Electrical and mechanical interface between camera, ancillary unit, and vehicle was established, although detailed electrical interface between vehicle and ancillary unit needs confirmation.

6. Q-bay temperature will be maintained at a nominal 42-48 degrees F. Variations within this range are determined by: (a) amount and temperature of cockpit air dumped into the Q-bay, (b) outside air temperature, and (c) heat generated by the camera. Accurate Q-bay temperature measurements with various configurations must await delivery of the Hycon flight instrumentation package scheduled now for 11 November 1968. Thermal control system in the IRIS II unit is set for 75°F so that temperature control is maintained as long as the ambient is below 75°. When the ambient is above 75°F (for example, before take off), the configuration will gradually assume the ambient temperature since it cannot reject heat, and as it does so the optics go out of focus. The time to thermal stability is between 1.0 hour and 1.5 hours. In order to insure best resolution, the time from take off to camera turn on should be at least 1.5 hours.

7. All Contract End Item specifications for Contract [redacted] (IRIS II and AGE) were approved during a conference with [redacted] on 10 October with the exception of the flight test acceptance specification for the first 4 configurations. Minor revisions are yet to be made in this specification prior to approval.

25X1
25X1

8. A delay in delivery of window glass assembly #6 and subsequent was approved in order to confirm the wedge angle of assembly #1 by photographic flight test, before committing the remaining glass to production.

25X1

SIGNED

[redacted]
SSD/R&D/OSA

25X1

SSD/R&D/OSA/[redacted] (17 Oct 68)

Distribution:
Cy 1 - DD/SA
2 - D/R&D/OSA
3 - D/M/OSA
4 - CMD/OSA
5 - SSD/R&D/OSA
6 - SSD/R&D Chrono
7 - RB/OSA